

OIPE

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/717,450

DATE: 01/24/2003 TIME: 12:50:13

RECEIVED

FEB 2 0 2003

TECH CENTER 1600/2900

Input Set : A:\Sequence Listing (ASCII copy).txt

Output Set: N:\CRF4\01242003\I717450.raw

SEQUENCE LISTING

C> I	(1) CENE	RAL INFORMATION:										
		APPLICANT: Neuhold, Lisa										
	3	Killar, Loran										
C> 10		TITLE OF INVENTION: TRANSGENIC ANIMAL MODEL FOR										
11		DEGENERATIVE DISEASES OF CARTILAGE										
1.		NUMBER OF SEQUENCES: 21										
1:		CORRESPONDENCE ADDRESS:										
1.		(A) ADDRESSEE: Darby & Darby PC										
1		(B) STREET: 805 Third Avenue										
18		(C) CITY: New York										
19		(D) STATE: NY										
20		(E) COUNTRY: USA										
2:		(F) ZIP: 10022										
2:		COMPUTER READABLE FORM:										
. 2		(A) MEDIUM TYPE: Diskette										
2:		(B) COMPUTER: IBM Compatible										
20		(C) OPERATING SYSTEM: DOS										
. 2		(D) SOFTWARE: FastSEQ for Windows Version 2.0										
29		CURRENT APPLICATION DATA:										
C> 30		(A) APPLICATION NUMBER: US/09/717,450										
C> 3:		(B) FILING DATE: 10-Jan-2003										
32		(C) CLASSIFICATION:										
34		PRIOR APPLICATION DATA:										
3!	· · ·	(A) APPLICATION NUMBER:										
36		(B) FILING DATE:										
38		ATTORNEY/AGENT INFORMATION:										
39) ·	(A) NAME: Green, Reza										
4 ()	(B) REGISTRATION NUMBER: 38,475										
4:1	_	(C) REFERENCE/DOCKET NUMBER: 0630/0D532										
40	(ix)	TELECOMMUNICATION INFORMATION:										
4 4	Į.	(A) TELEPHONE: 212-527-7700										
45	5	(B) TELEFAX: 212-753-6237										
4 (5	(C) TELEX: 236687										
4.9	(2) INFORMATION FOR SEQ ID NO: 1:											
5.3	. (i)	SEQUENCE CHARACTERISTICS:										
52	2	(A) LENGTH: 471 amino acids										
53	3	(B) TYPE: amino acid										
54		(C) STRANDEDNESS: single										
55	,	(D) TOPOLOGY: linear										
57		MOLECULE TYPE: protein										
59		SEQUENCE DESCRIPTION: SEQ ID NO: 1:										
61	. Met His	Pro Gly Val Leu Ala Ala Phe Leu Phe Leu Ser Trp Thr His										

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62	1				5					10					15	
63	Cys	Arg	Ala	Leu	Pro	Leu	Pro	Ser	Gly	Gly	Asp	Glu	Asp	Asp	Leu	Ser
64	_			20					25					30		
65	Glu	Glu	Asp	Leu	Gln	Phe	Ala	Glu	Arg	Tyr	Leu	Arg	Ser	Tyr	Tyr	His
66			35					40					45			
67	Pro		Asn	Leu	Ala	Gly		Leu	Lys	Glu	Asn		Ala	Ser	Ser	Met
68		50	_	_	_		55	~ 3	_	_,		60	_			m1
69		GLu	Arg	Leu	Arg		Met	Gln	Ser	Phe		GLy	Leu	GLu	Val	
70	65	T	T	7	7	70	mh	T	7	77-7	75	T	T	Dece	70	80
71 72	GTÀ	гàг	ьeu	ASP	ASP 85	ASII	Thr	Leu	ASP	90	Me t	ьуs	ьуѕ	Pro	Arg 95	Cys
73	Glv	Val	Val	Asn		Glv	Glu	Tyr	Asn		Phe	Pro	Ara	Thr		T.vs
74	ОТУ	VUI	Vai	100	val	CIY	OIG	1 y 1	105	Val	1110	110	111.9	110	ncu	шуо
75	Trp	Ser	Lvs		Asn	Leu	Thr	Tyr		Ile	Val	Asn	Tvr		Pro	Asp
76		001	115	1100		200		120	9				125			F
77	Met	Thr	His	Ser	Glu	Val	Glu	Lys	Ala	Phe	Lys	Lys	Ala	Phe	Lys	Val
78		130					135	-			-	140			-	
79	Trp	Ser	Asp	Val	Thr	${\tt Pro}$	Leu	Asn	Phe	Thr	Arg	Leu	His	Asp	Gly	Ile
80	145					150					155					160
81	Ala	Asp	Ile	Met		Ser	Phe	Gly	Ile	_	Glu	His	Gly	Asp		Tyr
82					165	_			_	170	•			_	175	
83	Pro	Phe	Asp	_	Pro	Ser	GLy	Leu		Ala	Hıs	Ala	Phe		Pro	Gly
84	D	71	m	180	C1	7	70 7 -	114 -	185	7	71	7	C1	190	m	mb w
85 86	PIO	ASII	191 195	GIY	СТА	Asp	Ald	His 200	rne	Asp	Asp	ASP	205	TIIL	тър	1111
87	Ser	Ser		T.vs	Glv	Tur	Asn	Leu	Phe	T.e.11	Val	Δla		His	Glu	Phe
88	JCI	210	CCI	БуЗ	O L y	- y -	215	шец	1110	шец		220	1120	1110	O L u	2110
89	Gly		Ser	Leu	Gly	Leu		His	Ser	Lys	Asp		Gly	Ala	Leu	Met
90	225				-	230	-			-	235		-			240
91	Phe	Pro	Ile	Tyr	Thr	Tyr	Thr	Gly	Lys	Ser	His	Phe	Met	Leu	Pro	Asp
92					245					250					255	
93	Asp	Asp	Val		Gly	Ile	Gln	Ser		Tyr	Gly	Pro	Gly		Glu	Asp
94	_	_	_	260		_	_		265	_	-	~	_	270		-
95	Pro	Asn		Lys	His	Pro	Lys	Thr	Pro	Asp	Lys	Cys		Pro	Ser	Leu
96 97	Sor	T O11	275	7/1 -	Tlo	Thr	Sor	280 Leu	Λκα	Clv	Glu	Thr	285 Mot	T10	Pho	Tue
98	261	290	ASP	нта	ire	TIIT	295	ьеи	Arg	GTÄ	GIU	300	Met	TTE	rne	цуз
99	Asp		Phe	Phe	Tro	Ara		His	Pro	Gln	Gln		Asp	Ala	Glu	Leu
100	305	_	1110	1110	111	310	_	1110	110	0.111	31		1101	7114	O±u	320
101			u Thi	r Lys	Ser			o Pro	Gli	ı Leı			n Arc	ı Ile	e Ası	o Ala
102				-	325		•			330					33	
103	Ala	а Ту	r Gl	His د	Pro	Sei	r His	s Asp	Let	ı Ile	e Phe	e Ile	e Phe	e Ar	g Gl	y Arg
104				340)				345	5				350)	
105	Lys	s Phe	e Trp	o Ala	ı Let	ı Asr	n Gly	y Tyr	Asp	o Ile	e Lei	ي Glu	ı Gly	у Туз	r Pro	Lys
106			35,					360				_	365			
107	Lys			r Gli	ı Let	ı Gly			Lys	s Gl	u Vai			s Ile	e Sei	Ala
108	7.3	370			63	•	375		-	. m1		380		_	- 63	- 75
109			1 His	s Phe	e Glu	_		r Gly	у Гуз	'Th			ı Phe	e Sei	c Gly	Asn 400
110	385)				390	J				39	כ				400

Input Set : A:\Sequence Listing (ASCII copy).txt
Output Set: N:\CRF4\01242003\I717450.raw

```
111 Gln Val Trp Arg Tyr Asp Asp Thr Asn His Ile Met Asp Lys Asp Tyr
                     405
                                         410
112
113
    Pro Arg Leu Ile Glu Glu Asp Phe Pro Gly Ile Gly Asp Lys Val Asp
114
                420
                                     425
    Ala Val Tyr Glu Lys Asn Gly Tyr Ile Tyr Phe Phe Asn Gly Pro Ile
115
                                 440
    Gln Phe Glu Tyr Ser Ile Trp Ser Asn Arg Ile Val Arg Val Met Pro
117
                             455
118
    Ala Asn Ser Ile Leu Trp Cys
119
120
                         470
122 (2) INFORMATION FOR SEQ ID NO: 2:
        (i) SEQUENCE CHARACTERISTICS:
125
              (A) LENGTH: 470 base pairs
              (B) TYPE: nucleic acid
126
              (C) STRANDEDNESS: single
127
              (D) TOPOLOGY: linear
128
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
131
133 CTCGAGTTTA CCACTCCCTA TCAGTGATAG AGAAAAGTGA AAGTCGAGTT TACCACTCCC
                                                                           60
134 TATCAGTGAT AGAGAAAAGT GAAAGTCGAG TTTACCACTC CCTATCAGTG ATAGAGAAAA
                                                                          120
135 GTGAAAGTCG AGTTTACCAC TCCCTATCAG TGATAGAGAA AAGTGAAAGT CGAGTTTACC
                                                                          180
136 ACTCCCTATC AGTGATAGAG AAAAGTGAAA GTCGAGTTTA CCACTCCCTA TCAGTGATAG
                                                                          240
137 AGAAAAGTGA AAGTCGAGTT TACCACTCCC TATCAGTGAT AGAGAAAAGT GAAAGTCGAG
                                                                          300
138 CTCGGTACCC GGGTCGAGTA GGCGTGTACG GTGGGAGGCC TATATAAGCA GAGCTCGTTT
                                                                          360
139 AGTGAACCGT CAGATCGCCT GGAGACGCCA TCCACGCTGT TTTGACCTCC ATAGAAGACA
                                                                          420
                                                                          470
140 CCGGGACCGA TCCAGCCTCC GCGGCCCCGA ATTAGCTTGA TATCGAATTC
142 (2) INFORMATION FOR SEQ ID NO: 3:
         (i) SEQUENCE CHARACTERISTICS:
144
145
              (A) LENGTH: 3479 base pairs
              (B) TYPE: nucleic acid
146
              (C) STRANDEDNESS: single
147
              (D) TOPOLOGY: linear
148
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
                                                                           60
153 GGTACCACTA GTAAGCTTAG ATCCACTGTC TGGGATTATA TCAGGACAAC CGAAGCCTGG
                                                                          120
154 AAAGTGTATT AGGTAGAGCA TTTTCTTCCA CGTGTTTGGG CACGTTTCCG ACAGCTAGGA
155 TTCCAGCTCT GTCTTTGTAT GTTACAGACT GTAAATCAAT CGCAGGTGAA ACTGTTTGGA
                                                                          180
156 CAGTAGGTGG GGATCAAAGA CCCTCCGCCC GTGAGACTCT AGGCGCTTTC CCCTGCCACC
                                                                          240
157 AGCCTGTCTC CAGAGATGCT CTGGAAGGAG GCGGGCCCGG GCGGTCTTTC TGCTCTTTAG
                                                                          300
158 CGTGGCGGAC GCGGCGGCGG GGGCAGGGCT GGAGCAGAGA GCGCTGCAGT GATAGAACTT
159 TCTGACCCCG CTGCGCAGGG CGGCAGGGTG GCAGGGTGGC AGGGTGGCGA GCTAAGCCAG
                                                                          420
160 AGCCGAACGC TGGAGCTCTG GGAGGAACAT CGAAGGTTTG TATGTGGTCT GAGATCGGCC
                                                                          480
161 TGACTATATT TTTTTGTCCT AAATTTGCAA GCACACCC ACAAAGCTGC GGTCTTGACC
                                                                          540
                                                                          600
162 GGTATTCTTT ATAGAGCGCA ATGGAGTGAG CTGAGTGTCT AAACGATTTC CCTAATTCAT
                                                                          660
163 CTGATAGCAG AGGCGCTCTC CTAATTGGCG AAGAGCTGCC TCATGTCCGC AACTTTTTGG
                                                                          720
164 CAGAGTGAAT TCCACAGCTT TGTGTGTGTG TGTGGGGGGG GGTGTAAGGG GTGTCTAAAA
165 CTTTCGGTCT CCTACTATTC TGTATCTCGA CCGGTTGGTT TTACACCCCG GCTCATCTCA
                                                                          780
166 TCAACGCAAA CACCCCCACT CTCCTATGGA CCCAAGGACC TGACGTGGGG GAAGGTGGAC
                                                                          840
                                                                          900
167 ATTAGGAATG TCAGAAACCT AGAGTCCACG CTCCTCCTCT CCATCTTTCC ACGAGTTTGG
168 GAAACTTCTT GGCTGCGAAG ACTTTGACCC ACATCTGCAT TTCTCAGCCC CAGCTTCCAA
                                                                          960
169 AAGTGCTGCA GGTTCGGGAG GGGAGACCTC AGTCCTCCTT TGTGAGGCTT GTTTGCGTTG
                                                                         1020
```

Input Set : A:\Sequence Listing (ASCII copy).txt

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```
170 AGGGATTGGC AGCGATGGCT TCCAGATGGG CTGAAACCCT GCCCGTATTT ATTTAAACTG
171 GTTCCTCGTG GAGAGCTGTG AATCGGGCTC TGTATGCGCT CGAGAAAAGC CCCATTCATG
                                                                       1140
172 AGAGGCAAGG CCCAGTGGGT CCCCCGACT CCCCGACCCC CCTCTCCCAC AATATATCCC
                                                                       1200
173 CCCTCCCTGT GCCCGCCTGC CGCCACCTCC CGGGCTCCGG CCCCGCGCGC AGCGGCGACG
174 AAGCAACACA GTTCCCCGAA AGAGGTAGCT TTTTAATTGG CCAGCCACAA AGAATCACTT
                                                                       1320
175 ATGCCGCACG GCGGTAACGA GGGGAACCGG ATCGGGCGGC CAGGATGCTA TCTGTGTAGC
                                                                       1380
176 CCTTTTCGTG CCACAATTAG GGTGGTGCTG GCTTCCTCCG ACCGCACCTA GGCGATCTGG
177 TTACACTGTT GGCTCCTTTC TTGGGCAGTC ATTTAATCCT ACTTTTTACT CTACGAATGT
178 CTGTCTGATG GAGGGCTGTG TCCGGAGCCC CATCCACAAA GAGTCAGCCA GCAGCTCTCA
                                                                       1560
179 CACCCGGCTG GATCTCATAT GGTGCACTCT CAGTACAATC TGCTCTGATG CCGCATAGTT
                                                                       1620
180 AAGCCAGCCA AGCTAGCTTG CGCAAGCTAG CTTGCGATCC GTAAAAATGT GTGAGAGTTA
181 CAAAATGTCT TCCGGGCTAA GATCCGACAG CCATGGTCCA AAGAAGACTT CGGCACTGCA
                                                                       1740
182 GACTTAAAAC CAGCTTTCTA GCAGAGGCAG AAGGATCTAG AGCCAAAGGC AAAGACTTGA
                                                                       1800
183 ATAGGCTGGG AAGATGCAAG AATGGCATTT TACATAAAGA ACACTCTCTC CTTTTCCAGC
                                                                       1860
184 CAGCACACTT GCATAGAAAT TAAGTTTTAC ACTTGAAGTT CTTTGTTTCC ATCCTGAGAA
                                                                       1920
185 GCTCCAAAGT CTGAGGTGGT GTGGTATGCT GGGTAATTCT CCCCACCCCC CAACATTCCC
                                                                       1980
186 TGGGGGTTCC ATGGGGGTAG CTTCTCCCAA GGACTTCCAG CGGCAACACA GAAATCCCAC
                                                                       2040
187 TTCGAGACAA AGGAGTTACT GCTTAAATCA GGCCCTAATT TCCAAGGTTC CCTTTGCTTA
                                                                       2100
188 AAGTTCCCTA GAGGACCATC TCACTTCTAA AGAAAAGGTG TATTCGGGGA CCCATCCTCA
                                                                       2160
189 ACCTCCTTGT TATGGAAGGA GACTTCGGGA ACAGAGCAAG GGCTGAGCCT CCGGCAGTTT
                                                                       2220
190 GGGGTAAGGT TGGGGTTGGG GGGAGCAAGG AAGGCAAGTG AGGCTGGAGG CCCAGGGATA
                                                                       2280
192 TGGTGGTGGA CAACTAGGAA ACTCTGGCGC TTTCTCCTCC CCTCACAAAA CTGAGTCCAG
                                                                       2400
193 CTGGAGCCGC CTCCAGACTC TCTGGCCAGG GCCTCAGAGT GGTCAACAGT CCCTGGCCAG
                                                                       2460
194 CGTTGCTCTC TCCAGGCTAA GGGCACCCAC TCCCCTGGAG ATTCCTGAAC CTGGGCCAGG
                                                                       2520
195 AAGAGCCGAA TTAGACAAGT GTCTCCAATC CGGCTGCGTG CGGATTTTGT TGCGGTGTCC
196 CTCGGTTGTC TGCAGTTCCT TTAGTCCCTT CCCTGGCCTG CCCCTTACAC CTCCACACAG
                                                                       2640
197 GTCCCCCTCT GTGTAGGAAT ACACCAGACC CTCTCTTAGC CACACACAC TCCAGTCCCC
                                                                       2700
198 CGTCTACCTA GATTTTTTC ATAGCTAGTT GGATGGGGGA TGGGTTAGGG AGGCTGGGTT
                                                                       2760
199 TGCGAGCCTC CAGGTGGGAG TTCACCGACA GGTACTCCGC AAAGGAGCTG GAAGGCAGGT
200 CTGGAAAACT GTCCCCCAGA TTTAGGATTC TGGGCAGCTT CCATCAGCTT ATACTTTGGC
                                                                       2880
201 TCCCCCGCCC CCTAAACTCC CCATCCCCAC CTTCCTTTCT CCCGTTACTT CGTCCTCCCT
                                                                       2940
202 CGCCTTTCCA GCCTTGAGTC TAAAGCTCCA TGCTTATGCC TCTGCAAACA ACCCCCTCCC
                                                                       3000
203 TTCTAACCCC AGCAGAACTC CGAGGAAAGG GGCCGGAGGC CCCCCTTCTC GCCTGTGGTT
                                                                       3060
204 AGAGGGGGCA GTGTGGCAGT CCCAAGTGGG GGCGACCGGA GGCCGTCTCG GTGCCCCGCC
                                                                       3120
205 CGATCAGGCC ACTGGGCACA TCGGGGGCGG GAAGCTGGGC TCACCAAAGG GGCGACTGGC
                                                                       3180
206 CTTGGCAGGT GTGGGCTCTG GTCCGGCCTG GGCAGGCTCC GGGGGCGGGG TCTCAGGTTA
207 CAGCCCGCG GGGGGCTGGG GGGCGGCCCG CGGTTTGGGC TGGTTTGCCA GCCTTTGGAG
208 CGACCGGGAG CATATAACCG GAGCCTCTGC TGGGAGAGAA CGCAGAGCGC CGCTGGGCTG
                                                                       3360
209 CCGGGTCTCC TGCCTCCTC TCCTGCTCCT AGAGCCTCCT GCATGAGGGC GCGGTAGAGA
                                                                       3420
210 CCCGGACCCG CTCCGTGCTC TGCCGCCTCG CCGAGCTTCG CCCGCAAGCT GGGGAATTC
                                                                       3479
212 (2) INFORMATION FOR SEQ ID NO: 4:
214
         (i) SEQUENCE CHARACTERISTICS:
215
              (A) LENGTH: 8 amino acids
216
              (B) TYPE: amino acid
217
              (C) STRANDEDNESS: single
218
              (D) TOPOLOGY: linear
220
       (ii) MOLECULE TYPE: peptide
222
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
```

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Output Set: N:\CRF4\01242003\I717450.raw

```
224 Pro Arg Cys Gly Val Pro Asp Val
225
227 (2) INFORMATION FOR SEQ ID NO: 5:
229
        (i) SEQUENCE CHARACTERISTICS:
230
              (A) LENGTH: 39 base pairs
231
              (B) TYPE: nucleic acid
232
              (C) STRANDEDNESS: single
233
              (D) TOPOLOGY: linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
236
                                                                            39
238 AAGCCAAGAT GCGGGGTTGT CGATGTGGGT GAATACAAT
240 (2) INFORMATION FOR SEQ ID NO: 6:
242
        (i) SEQUENCE CHARACTERISTICS:
243
              (A) LENGTH: 40 base pairs
              (B) TYPE: nucleic acid
244
              (C) STRANDEDNESS: single
245
              (D) TOPOLOGY: linear
246
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
249
                                                                            40
251 GAAAAAGCCA AGATGCGGGG GTCCTGATGT GGGTGAATAC
253 (2) INFORMATION FOR SEQ ID NO: 7:
        (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 98 base pairs
256
257
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
258
              (D) TOPOLOGY: linear
259
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
262
                                                                            60
264 GGTACCACTA GTAAGCTTAG ATCTCATATG GTCGACCCCG GGGAATTCCT GCAGGGATCC
                                                                            98
265 TCTAGAAGTA CTCCATGGGT ATACATCGAT GCGGCCGC
267 (2) INFORMATION FOR SEQ ID NO: 8:
         (i) SEQUENCE CHARACTERISTICS:
270
              (A) LENGTH: 2792 base pairs
271
              (B) TYPE: nucleic acid
272
              (C) STRANDEDNESS: single
273
              (D) TOPOLOGY: linear
       (ii) MOLECULE TYPE: cDNA
275
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
                                                                            60
279 CTCGAGTTTA CCACTCCTA TCAGTGATAG AGAAAAGTGA AAGTCGAGTT TACCACTCCC
                                                                           120
280 TATCAGTGAT AGAGAAAAGT GAAAGTCGAG TTTACCACTC CCTATCAGTG ATAGAGAAAA
281 GTGAAAGTCG AGTTTACCAC TCCCTATCAG TGATAGAGAA AAGTGAAAGT CGAGTTTACC
                                                                           180
                                                                           240
282 ACTCCCTATC AGTGATAGAG AAAAGTGAAA GTCGAGTTTA CCACTCCCTA TCAGTGATAG
283 AGAAAAGTGA AAGTCGAGTT TACCACTCCC TATCAGTGAT AGAGAAAAGT GAAAGTCGAG
                                                                           300
284 CTCGGTACCC GGGTCGAGTA GGCGTGTACG GTGGGAGGCC TATATAAGCA GAGCTCGTTT
                                                                           360
285 AGTGAACCGT CAGATCGCCT GGAGACGCCA TCCACGCTGT TTTGACCTCC ATAGAAGACA
                                                                           420
                                                                           480
286 CCGGGACCGA TCCAGCCTCC GCGGCCCCGA ATTAGCTTGA TATCGAATTC GAGCTCGGTA
287 CCCGGGGATC CTCTAGACAA GATGCATCCA GGGGTCCTGG CTGCCTTCCT CTTCTTGAGC
                                                                           540
288 TGGACTCATT GTCGGGCCCT GCCCCTTCCC AGTGGTGGTG ATGAAGATGA TTTGTCTGAG
                                                                           600
289 GAAGACCTCC AGTTTGCAGA GCGCTACCTG AGATCATACT ACCATCCTAC AAATCTCGCG
                                                                           660
290 GGAATCCTGA AGGAGAATGC AGCAAGCTCC ATGACTGAGA GGCTCCGAGA AATGCAGTCT
                                                                           720
291 TTCTTCGGCT TAGAGGTGAC TGGCAAACTT GACGATAACA CCTTAGATGT CATGAAAAAG
                                                                           780
292 CCAAGATGCG GGGTTGTCGA TGTGGGTGAA TACAATGTTT TCCCTCGAAC TCTTAAATGG
                                                                           840
```

DATE: 01/24/2003

TIME: 12:50:14

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/717,450

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:19; Xaa Pos.5

Seq#:20; Xaa Pos.3,6,7,8,9,10

VERIFICATION SUMMARY

L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0

DATE: 01/24/2003 TIME: 12:50:14

PATENT APPLICATION: US/09/717,450

Input Set : A:\Sequence Listing (ASCII copy).txt

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L:5 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:10 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0